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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 7 of 23

**Complete if Known**

Application Number	10/699,262
Filing Date	10/31/2003
First Named Inventor	Conrad, et al.
Art Unit	1751
Examiner Name	Amina S. Khan
Attorney Docket Number	US19984054-5(094342.0028)

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	AA	US- 5288422	02/22/1994	Rajat S. Basu	
	AB	US- 5290473	03/01/1994	Rajat S. Basu	
	AC	US- 5300197	04/05/1994	Kenji Mitani, et al.	
	AD	US- 5300154	04/05/1994	Ferber, et al.	
	AE	US- 5304253	06/09/1992	David C. H. Grant	
	AF	US- 5304320	04/19/1994	Pierre Barthelemy, et al.	
	AG	US- 5308562	05/03/1994	Hendrik Wohlfahrt-Laymann	
	AH	US- 5315727	05/31/1994	Kyu C. Lee	
	AI	US- 5316690	05/31/1994	Chien C. Li	
	AJ	US- 5320683	06/14/1994	Shunichi Samejima	
	AK	US- 5334258	08/02/1994	Nagato Osano	
	AL	US- 5340443	08/23/1994	Tapio M. Helino, et al.	
		US- 5340464	08/23/1994	Anthony Mickas	
		US- 5342405	08/30/1994	James Duncan	
		US- 5344527	09/06/1994	Anthony Mickas	
		US- 5346588	09/13/1994	Herbert Sixta, et al.	
		US- 5354428	10/11/1994	R. Scott Clark, et al.	
		US- 5354480	10/11/1994	Peter M. Robinson, et al.	
		US- 5360547	11/1/1994	Keith R. Cockett, et al.	

**FOREIGN PATENT DOCUMENTS**

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Application Number	10/699,262
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First Named Inventor	Conrad, et al.
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Examiner Name	Amina S. Khan
Attorney Docket Number	US19984054-5(094342.0028)

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	AA	US- 5368649	11/29/1994	Hideo Tsukazaki	
	AB	US- 5377705	01/03/1995	Charles W. Smith	
	AC	US- 5392480	02/28/1995	Hidetoshi Ishihara	
	AD	US- 5404732	04/11/1995	Ji-Sung Kim	
	AE	US- 5405542	04/11/1995	Toan Trinh, et al.	
	AF	US- 5405767	04/11/1995	Jayarama K. Shetty	
	AG	US- 5407446	04/18/1995	Yoshiteru Sando	
	AH	US- 5419849	05/30/1995	Paul B. Fields	
	AI	US- 5421049	06/06/1995	Charles W. Hendran	
	AJ	US- 5423921	06/13/1995	Hans-Udo Saal	
	AK	US- 5426955	06/27/1995	Robert J. Modahl	
	AL	US- 5439817	08/08/1995	Jayarama Shetty, et al.	
		US- 5443747	08/22/1995	Minoru Inada, et al.	
		US- 5447171	09/05/1995	Yoshihide Shibano	
		US- 5456856	10/10/1995	Ora L. Flaningham, et al.	
		US- 5460018	10/24/1995	Kurt Werner	
		US- 5463819	11/07/1995	Yasumasa Komori	
		US- 5480572	01/02/1996	Barbara H. Minor	
		US- 5488842	02/06/1996	Yukiko Nishioka, et al.	

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Attorney Docket Number	US19984054-5(094342.0028)

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	AA	US- 5490894	02/13/1996	Hirohide Matsuhisa	
	AB	US- 5492138	02/20/1996	Todd Tarocco	
	AC	US- 5493743	02/27/1996	Keith R. Schneider	
	AD	US- 5494526	02/27/1996	Ajit P. Paranjpe	
	AE	US- 5494600	02/27/1996	Athanasios Surutzidis, et al.	
	AF	US- 5498266	03/12/1996	Hiroyuki Takagawa	
	AG	US- 5500096	03/19/1996	Wallace I. Yuan	
	AH	US- 5501811	03/26/1996	Ora L. Flaningam, et al.	
	AI	US- 5503681	04/02/1996	Minoru Inada	
	AJ	US- 5503756	04/02/1996	Alessandro Corona, III, et al.	
	AK	US- 5504954	04/09/1996	Haeng D. Joo	
	AL	US- 5511264	04/30/1996	Yukiko Nishioka, et al.	
		US- 5518624	05/21/1996	James L. Filson, et al.	
		US- 5524358	06/11/1996	Warren Matz	
		US- 5536327	07/16/1996	Robert Kaiser	
		US- 5536374	07/16/1996	Arthur Spring	
		US- 5537754	07/23/1996	Volker Bachmann, et al.	
		US- 5538025	07/23/1996	Donald J. Gray	
		US- 5538746	07/23/1996	Ehud Levy	

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Sheet 10 of 23

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Filing Date	10/31/2003
First Named Inventor	Conrad, et al.
Art Unit	1751
Examiner Name	Amina S. Khan
Attorney Docket Number	US19984054-5 (094342.0028)

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	AA	US- 5555641	09/17/1996	In K. Lee	
	AB	US- 5591236	01/07/1997	Timothy C. Roetker	
	AC	US- 5593598	01/14/1997	Michael McGinness, et al.	
	AD	US- 5604145	02/18/1997	Yasushi Hashizume, et al.	
	AE	US- 5605882	02/25/1997	Diana L. Klug, et al.	
	AF	US- 5617737	04/08/1997	Richard N. Christensen, et al.	
	AG	US- 5622630	04/22/1997	Alvin Green, et al.	
	AH	US- 5625965	05/06/1997	Malcolm Blissett, et al.	
	AI	US- 5637336	06/10/1997	James R. Kannenberg, et al.	
	AJ	US- 5644158	07/01/1997	Eiji Fujii, et al.	
	AK	US- 5645727	07/08/1997	Ramesh R. Bhawe, et al.	
	AL	US- 5649785	07/22/1997	Tobin Ojerf, et al.	
		US- 5653873	08/05/1997	Bruce Grossman	
		US- 5656246	08/12/1997	Walter Patapoff, et al.	
		US- 5759209	06/02/1998	Robert Adler	
		US- 5765403	06/16/1998	Phillip A. Lincoln, et al.	
		US- 5773403	06/30/1998	Masamichi Hijiino, et al.	
		US- 5776351	07/07/1998	Michael McGinness, et al.	
		US- 5776362	07/07/1998	Shigeru Sato, et al.	

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Art Unit	1751
Examiner Name	Gregory E. Webb
Attorney Docket Number	US19984054-5(094342.0028)

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	AA	US- 5787537	08/04/1998	Richard Mannillo	
	AB	US- 5789368	08/04/1998	Jing-Feng You, et al.	
	AC	US- 5799612	09/01/1998	Darren L. Page	
	AD	US- 5806120	09/15/1998	Dennis H. McEachern	
	AE	US- 5814592	09/29/1998	Jay I. Kahn, et al.	
	AF	US- 5814595	09/29/1998	Richard M. Flynn, et al.	
	AG	US- 5814498	09/29/1998	K.N. Mani, et al.	
	AH	US- 5824632	10/20/1998	Ora L. Flaningam, et al.	
	AI	US- 5840675	11/24/1998	Bruce A. Yeazell	
	AJ	US- 5846435	12/08/1998	Richard A. Haase	
	AK	US- 5849197	12/15/1998	Leslie J. Taylor, et al.	
	AL	US- 5853593	12/29/1998	Rhonda Miller	
		US- 5858240	01/12/1999	Zbigniew Twardowski, et al.	
		US- 5865852	02/02/1999	Dieter R. Berndt	
		US- 5868937	02/09/1999	Dwight Back, et al.	
		US- 5876685	03/02/1999	Gerald A. Krulik, et al.	
		US- 5885366	03/23/1999	Makoto Umino, et al.	
		US- 5893979	04/13/1999	Jeffery S. Held	
		US- 5894061	04/13/1999	Cynthia A. Ladouceur	

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	AA	US- 5904737	05/18/1999	A. Duane Preston, et al.	
	AB	US- 5906750	05/25/1999	Richard A. Haase	
	AC	US- 5912408	06/15/1999	Toan Trinh, et al.	
	AD	US- 5914041	06/22/1999	Dennis H. Chancellor	
	AE	US- 5925469	07/20/1999	Ronald P. Gee	
	AF	US- 5925611	07/20/1999	Richard M. Flynn, et al.	
	AG	US- 5935525	08/10/1999	Phillip A. Lincoln, et al.	
	AH	US- 5935441	08/10/1999	Gary A. O'Neill, et al.	
	AI	US- 5942007	08/24/1999	Dieter R. Berndt, et al.	
	AJ	US- 5954869	09/21/1999	Jacques E. Elfersy, et al.	
	AK	US- 5955394	09/21/1999	Michael D. Kelly	
	AL	US- 5958240	09/28/1999	Timothy L. Hoel	
		US- 5959014	09/28/1999	Lanny Liebeskind, et al.	
		US- 5960501	10/05/1999	Alan Burdick	
		US- 5960649	10/05/1999	Alan Burdick	
		US- 5962390	10/05/1999	Richard M. Flynn, et al.	
		US- 5972041	10/26/1999	James A. Smith, et al.	
		US- 5977040	11/02/1999	Minoru Inada, et al.	
		US- 5985810	11/16/1999	Minoru Inada, et al.	

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 13 of 23

**Complete if Known**

Application Number	10/699,262
Filing Date	10/31/2003
First Named Inventor	Conrad, et al.
Art Unit	1751
Examiner Name	Gregory E. Webb
Attorney Docket Number	US19984054-5(094342.0028)

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	AA	US- 6006387	12/28/1999	Theodore R. Cooper	
	AB	US- 6010621	01/04/2000	Harley J. Pattee	
	AC	US- 6013683	01/11/2000	Randal Myron	
	AD	US- 6027651	02/22/2000	Alan B. Cash	
	AE	US- 6029479	02/29/2000	Harley J. Pattee	
	AF	US- 6042617	03/28/2000	Wolf-Dieter Berndt	
	AG	US- 6042618	03/28/2000	Wolf-Dieter Berndt	
	AH	US- 6045588	04/04/2000	Kurt Estes, et al.	
	AI	US- 6056789	05/02/2000	Wolf-Dieter Berndt	
	AJ	US- 6059845	05/09/2000	Wolf-Dieter Berndt	
	AK	US- 6059971	05/09/2000	Robert VII, et al.	
	AL	US- 6063135	05/16/2000	Dieter Berndt, et al.	
		US- 6063748	05/16/2000	Richard M. Flynn, et al.	
		US- 6086635	07/11/2000	Wolf-Dieter Berndt, et al.	
		US- 6098306	08/08/2000	Michael Ramsey	
		US- 6113815	09/05/2000	Jacques E. Elfersy	
		US- 6115862	09/12/2000	Theodore R. Cooper	
		US- 6120587	09/19/2000	Jacques E. Elfersy	
		US- 6136223	10/24/2000	Terrence J. Collins	

**FOREIGN PATENT DOCUMENTS**

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		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
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Sheet 14 of 23

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Application Number	10/699,262
Filing Date	10/31/2003
First Named Inventor	Conrad, et al.
Art Unit	1751
Examiner Name	Gregory E. Webb
Attorney Docket Number	US19984054-5 (094342.0028)

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	AA	US- 6136766	10/24/2000	Minoru Inada, et al.	
	AB	US- 6159376	12/12/2000	William J. Lahti	
	AC	US- 6159917	12/12/2000	Jimmie R. Baran	
	AD	US- 6168714	01/02/2001	Shamsuddin Ilias, et al.	
	AE	US- 6171346	01/09/2001	Bruce Yeazell, et al.	
	AF	US- 6177399	01/23/2001	Wang Ping, et al.	
	AG	US- 6190556	02/20/2001	Robert A. Uhlinger	
	AH	US- 6207634	03/27/2001	Axel Meyer, et al.	
	AI	US- 6216302	04/17/2001	A. Duane Preston, et al.	
	AJ	US- 6217771	04/17/2001	J. Boyle, et al.	
	AK	US- 6221944	04/24/2001	Lanny S. Liebeskind	
	AL	US- 6238516	05/29/2001	Dana L. Watson, et al.	
		US- 6238736	05/29/2001	James A. Smith	
		US- 6239097	05/29/2001	Paul A. Wilson	
		US- 6241779	06/05/2001	Terrence J. Collins	
		US- 6241786	06/05/2001	Wolfange Zarges, et al.	
		US- 6254838	07/03/2001	Armand Jean Goede	
		US- 6254932	07/03/2001	James A. Smith	
		US- 6258130	07/10/2001	Dennis Stephen Murphy	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
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**INFORMATION DISCLOSURE  
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Sheet 15 of 23

**Complete if Known**

Application Number	10/699,262
Filing Date	10/31/2003
First Named Inventor	Conrad, et al.
Art Unit	1751
Examiner Name	Gregory E. Webb
Attorney Docket Number	US19984054-5(094342.0028)

U. S. PATENT DOCUMENTS					
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	AA	US- 6258276	07/10/2001	Alicia M. Mika, et al.	
	AB	US- 6261460	07/17/2001	James A. Benn, et al.	
	AC	US- 6269667	08/07/2001	Dwight D. Back	
	AD	US- 6274540	08/14/2001	Jeffrey Scheibel, et al.	
	AE	US- 6277804	08/21/2001	Jay Kahn, et al.	
	AF	US- 6281187	08/28/2001	Mark Smerznak	
	AG	US- 6288018	09/11/2001	Richard M. Flynn, et al.	
	AH	US- 6299779	10/09/2001	Harley J. Pattee	
	AI	US- 6309425	10/30/2001	Dennis Murphy	
	AJ	US- 6309752	10/30/2001	Rudolf Dams, et al.	
	AK	US- 6310029	10/30/2001	John A. Kilgour, et al.	
	AL	US- 6312476	11/06/2001	Robert J. Perry, et al.	
		US- 6319406	11/20/2001	Amy R. Freshour, et al.	
		US- 6327731	12/11/2001	Dwight D. Back	
		US- 6348441	02/19/2002	John Aiken, et al.	
		US- 6350377	2/26/2002	Ulrich Kofmar, et al.	
		US- 6365051	04/02/2002	Mansour S. Bader	
		US- 6379547	04/30/2002	Bo Larsson	
		US- 6384008	05/07/2002	Diane Parry	

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Sheet 16 of 23

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Application Number	10/699,262
Filing Date	10/31/2003
First Named Inventor	Conrad, et al.
Art Unit	1751
Examiner Name	Gregory E. Webb
Attorney Docket Number	US19984054-5(094342.0028)

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	AA	US- 6387186	05/14/2002	Richard C. Reisig, et al.	
	AB	US- 6387241	05/14/2002	Murphy, et al.	
	AC	US- 6398840	06/04/2002	Pedro Orta-Castro, et al.	
	AD	US- 6399357	06/04/2002	Stefan Winge	
	AE	US- 6402956	06/11/2002	Masaaki Andou, et al.	
	AF	US- 6416668	07/09/2002	Riad A. Al-Samadi	
	AG	US- 6423230	07/23/2002	Shamsuddin Ilias, et al.	
	AH	US- 6451066	09/17/2002	Kurt Estes, et al.	
	AI	US- 6591638	07/15/2003	Kurt Estes, et al.	
	AJ	US- 6766670	07/27/2004	Kurt Estes, et al.	
	AK	US-			
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	AA	US- 2003/0196277	10-2003	Hallman, et al.	
	AB	US- 2002/0056164	05-2002	Estes, et al.	
	AC	US- 6,770,615	08-2004	Aouad, et al.	
	AD	US- 2002/0056164	05-2002	Estes, et al.	
	AE	US- 3,733,267	05-1973	Haase, et al.	
	AF	US- 2003/0226214	12-2003	Radomyselski, et al.	
	AG	US- 6,855,173	02-2005	Ehmsperger, et al.	
	AH	US- 3,410,118	11-1968	Dickey John W.	
	AI	US- 3,163,028	12-1964	De Pas Laddie A, et al.	
	AJ	US- 5,431,827	7-1995	Tatch, Michael D.	
	AK	US- 4,252,546	02-1981	Krugmann, Hans G.	
	AL	US- 3,691,649	09-1972	Pigors, Ernst	
		US- 6,475,968	11-2002	Murphy, et al.	
		US- 2003/0084588	05-2003	France, et al.	
		US- 2001/0042275	11-2001	Estes, et al.	
		US- 6,045,588	04-2000	Estes, et al.	
		US- 4,247,330	01-1981	Sanders, Jr., Albert J.	
		US- 5,091,105	02-1992	Madore, et al.	
		US- 4,961,753	10-1990	Donkers, et al.	

**FOREIGN PATENT DOCUMENTS**

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	AA	US- 4,708,807	11-1987	Kemerer, Beverly K.	
	AB	US- 4,999,398	03-1991	Graiver, et al.	
	AC	US- 4,388,437	06-1983	Ona, Tsao	
	AD	US- 4,912,793	04/03/1990	Hagiwara	
	AE	US- 5,467,492	11/21/1995	Chao, et al.	
	AF	US- 5,498,266	03/12/1996	Takagawa, et al.	
	AG	US- 5,498,266	03/12/1996	Takagawa, et al.	
	AH	US- 5,133,802	07-1992	Maekawa, et al.	
	AI	US- 4,004,048	01-1977	Jackson	
	AJ	US- 4,636,328	01-1987	Flynn, et al.	
	AK	US- 5,712,240	01-1998	Tyerech, et al.	
	AL	US- 5,865,851	02-1999	Sidoti, et al.	
		US- 5,116,426	05-1992	Asano, et al.	
		US- 6,811,811	11-2004	Gerald France, et al.	
		US- 6,653,512	11-2003	Behr, et al.	
		US- 6,552,090	04-2003	Behr, et al.	
		US- 6,743,262	06-2004	Behr, et al.	
		US- 6,149,980	11-2000	Behr, et al.	
		US- 6,746,617	06-2004	Radomyselski, et al.	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
	BA	EP0182583	11/12/1985	Kenneth A. Kasprzak		
	BB	JP405064521	03/19/1993	Taki, Tomoyasu		
	BC					

Examiner  
SignatureDate  
Considered

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 19

of 23

**Complete if Known**

Application Number	10/699,262
Filing Date	10/31/2003
First Named Inventor	Conrad, et al.
Art Unit	1751
Examiner Name	Gregory E. Webb
Attorney Docket Number	US19984054-5(094342.0028)

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	AA	US- 6,670,317	12-2003	Severns, et al.	
	AB	US- 6,890,892	05-2005	Scheper, et al.	
	AC	US- 6,734,153	05-2004	William M. Scheper	
	AD	US- 5,668,102	09-1997	Severns, et al.	
	AE	US- 6,828,295	12-2004	Deak, et al.	
	AF	US- 6,898,951	05-2005	Severns, et al.	
	AG	US- 5,093,031	03-1992	Login, et al.	
	AH	US- 6,691,536	02-2004	Sevams, et al.	
	AI	US- 5,269,958	12-1993	de Jager, Jan	
	AJ	US- 6,860,998	03-2005	Peter F. Wilde	
	AK	US- 5,294,644	03-1994	Login, et al.	
	AL	US- 6,060,108	05-2000	Burd, et al.	
		US- 6,894,014	05-2005	Deak, et al.	
		US- 5,505,985	04-1996	Nakamura, et al.	
		US- 5,427,858	06-1995	Nakamura, et al.	
		US- 5,676,005	10-1997	Balliett, Robert W.	
		US- 5,962,390	10/05/1999	Flynn	
		US- 6,059,845	05/09/2000	Berndt	
		US- 2003/0226214	12/11/2003	Radomyselski	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>3</sup>
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	BB					
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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 20 of 23

**Complete if Known**

Application Number	10/699,262
Filing Date	10/31/2003
First Named Inventor	Conrad, et al.
Art Unit	1751
Examiner Name	Gregory E. Webb
Attorney Docket Number	US19984054-5 (094342.0028)

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Examiner Initials*	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	AA	US- 2003/0097718	05-2003	Evers, et al.	
	AB	US- 2002/0056164	05-2002	Estes, et al.	
	AC	US- 5,498,266	03/12/1996	Takagawa, et al.	
	AD	US- 5,888,250	03/30/1999	Hayday, et al.	
	AE	US- 6,558,432	05/06/2003	Schulte, et al.	
	AF	US- 2003/0046963	03/13/2003	Scheper, et al.	
	AG	US- 2003/0084588	05/08/2003	France, et al.	
	AH	US- 2003/0196277	10/23/2003	Hallman, et al.	
	AI	US- 7,033,985	04-2006	Noyes, et al.	
	AJ	US- 2005/0076453	04-2005	Lucas, et al.	
	AK	US- 2002/0133886	09-2002	Severns, et al.	
	AL	US- 2004129032	07/08/2004	Luckman, et al.	
		US- 2002004995	01/17/2002	France P. Ammat, et al.	
		US- 2003204917	11/06/2003	Estes, et al.	
		US- 2004117919	06/24/2004	Conrad, et al.	
		US- 3266166	08/16/1966	F. Heinrich	
		US- 4045174	08/30/1977	Fuhring, et al.	
		US-			
		US-			

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		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)			
	BA	EP06233898	08/23/1994	Toshiba Corporation	
	BB	EP153052	06/01/2005	Conrad, et al.	
	BC	EP1528138	05/04/2005	Conrad, et al.	
		EP1528139	05/04/2005	Conrad, et al.	
		EP1290259	03/12/2003	John C. Severns, et al.	
		AT313655	01/15/2006	John C. Severns, et al.	

Examiner Signature	Date Considered
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Sheet 21

of 23

**Complete if Known**

Application Number	10/699,262
Filing Date	10/31/2003
First Named Inventor	Conrad, et al.
Art Unit	1751
Examiner Name	Gregory E. Webb
Attorney Docket Number	US19984054-5 (094342.0028)

[illegible]

FOREIGN PATENT DOCUMENTS					
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		Country Code <sup>2</sup> Number <sup>4</sup> Kind Code <sup>3</sup> (# known)			
	BA	AU7529101	12/17/2001	John C. Seaverns, et al.	
	BB	CA2407180	12/13/2001	John C. Seaverns, et al.	
	BC	DE60116093	08/31/2006	John C. Seaverns, et al.	
		ES2254436	06/16/2006	John C. Seaverns, et al.	
		JP2003535627	12/02/2003	France, et al.	
		CH447090	11/30/1967	Fuhring Heinrich	

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Sheet	22	of	23
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		Country Code <sup>2</sup> Number <sup>3</sup> Kind Code <sup>4</sup> (# known)				
	BA	CH427715	01/15/1967	Fuhring Heinrich		
	BB	DE1410814	05/31/1972	Fuhring Heinrich		
	BC	GB1002318	08/25/1965	Fuhring Heinrich		
		DE2401296	07/17/1975	Fuhring Heinrich		
		FR2257726	08/08/1975	BOWE BOHLER ET WEBER KG		
		GB1500801	02/15/1975	BOWE BOHLER ET WEBER KG		

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